

## PIENAAR ENERGY (PTY) LTD

# Huawei energy storage battery development



## Overview

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Huawei is developing a solid-state EV battery it says can deliver 1,800 miles of range after a five-minute charge. The project appears in a 2023 patent filing, suggesting it has been in development for at least two years. The development signals a significant push by the tech giant to stake a claim in. Huawei's patent application reveals that its battery uses a method of doping sulfide electrolytes with nitrogen to reduce side reactions at the lithium interface.

## Huawei energy storage battery development

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### Huawei Patents 3,000km Solid-State Battery with 5-Minute Charging

Huawei has intensified its ambitions in advanced energy storage by patenting a sulfide-based solid-state battery capable of achieving driving ranges of up to 3,000 kilometres and ultra-fast ...

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### Huawei Digital Power's Full-Lifecycle BESS Safety Quantitative

The appraisal committee unanimously affirmed that the system achieves a world-leading level, closing critical technical gaps in battery energy storage system (BESS) safety both in China ...



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### Huawei Patents EV Battery Offering 3,000 km Range

Chinese tech giant Huawei has filed a patent for a next-generation solid-state electric vehicle (EV) battery that claims to offer an unprecedented driving range of over 3,000 kilometres on a ...

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## Huawei Patents Battery Tech With 3000km Range & 5 Min Charge

Huawei has filed a patent for a groundbreaking sulfide-based solid-state battery, marking a bold move into the next generation of electric vehicle (EV) energy storage.

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## Huawei says its new solid-state EV battery can give you

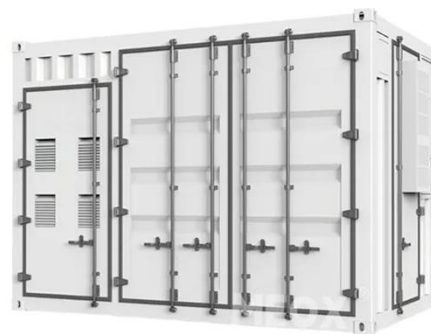
Huawei is the latest in a growing list of automakers and tech companies that are exploring the possible benefits of fitting an EV with solid-state batteries, with the likes of BMW,

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## Huawei Patents New Solid-State Battery That Could Change The World

In fact, Chinese firm Huawei recently patented a solid-state battery design in China that could rock the world. According to a report from SynergyFiles, the company's new design features a

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## China's tech giant claims 1,800-mile range for solid-state EV battery



Huawei has filed a patent detailing a sulfide-based solid-state battery design with energy densities between 180 and 225 Wh/lb, roughly two to three times higher than today's typical electric

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## Huawei Enters Solid-State Battery Race with High-Density EV Tech

By filing a new patent for a high-density battery design, the company is entering a race already crowded with big names like BMW, Volkswagen, Mercedes-Benz, BYD, and Stellantis, all ...

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### Power Conversion System

- Single-stage three-level modularization
- Multi-branch input to reduce battery series and parallels connection

## Huawei is working on EV battery that will last for 1,800 miles on just

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